

Lightning Protection

Last Issue Date: 06/10/2020		Type Of Service				
		A	B	C	D	E
Activity						
1	<p>PHYSICAL INSPECTION AND SERVICE:</p> <p>a) Inspect all components for condition (e.g. corrosion and mechanical damage) and secure fixings.</p> <p>b) Inspect any alterations that may impact the performance the system.</p> <p>c) Rectify any issues identified prior to testing.</p> <p>d) Record any observations and rectification works completed in the logbook.</p>				Y	
2	<p>ELECTRICAL INSPECTION AND SERVICE:</p> <p>a) Test resistance and verify the electrical continuity of all components in accordance with AS1768 - Lightning Protection.</p> <p>b) Compare with previous tests and investigate any discrepancies where:</p> <ol style="list-style-type: none"> 1. values have changed significantly from the previous test, 2. values show a pattern of degradation (e.g. increased resistance) relative to previous tests, or 3. exceed the specified application values within AS1768. <p>4. Rectify any issues identified and re-test the installation accordingly.</p> <p>5. Record the results before and after any alterations were made along with a description of any rectification works completed.</p>				Y	
3	<p>BUILDING OR USE TYPE CHANGE REVIEW:</p> <p>a) Review with the facility manager (and site representatives if required) any changes of use, additions of equipment / technology in the building or any other changes that have occurred since the last inspection that may impact the AS1768 Lightning Protection Risk Assessment.</p> <p>b) Update the Lightning Protection Risk Assessment and notify the FMSP in writing of any system changes that are required.</p>				Y	
4	Record the results in the logbook and submit a customer service report to the FMSP.				Y	

Special Comments and Technical Data

D SERVICE 1 - 2 YEARS DEPENDING ON ENVIRONMENT:
 FOR CORROSIVE ENVIRONMENTS E.G. COASTAL AREA / AREAS WITH KNOWN AGGRESSIVE SOIL TYPES THE DEFAULT FREQUENCY IS ANNUAL.
 FOR OTHER ENVIRONMENTS AND NON-AGGRESSIVE SOIL TYPES THE DEFAULT FREQUENCY IS 2 YEARLY.

NOTE: A LIGHTNING PROTECTION SYSTEM RISK ASSESSMENT WILL HAVE BEEN DONE PRIOR TO THE INSTALLATION OF THE SYSTEM. A TEMPLATE IS PROVIDED WITH THE PURCHASE OF AS1768.

FOR GUIDANCE ON RECOMMENDED RECORD KEEPING REFER TO AS1768.

APPLICABLE LEGISLATION AND STANDARDS: WH&S REGULATIONS AND AS1768.

Disclaimer -This TDS is intended to provide guidance only to support Preventative Maintenance servicing activities. All TDS users are encouraged to read and understand the full **Conditions of Use** provided on the final page of this document and on the DPTI website.

For more information please contact the applicable Facilities Management Service Provider.



Government of South Australia
 Department of Planning,
 Transport and Infrastructure

Download Date: 22/12/2020

Conditions of Use

A TDS should be used as a generic guide for Facilities Management Service Providers (FMSP) to deliver Facilities Maintenance Services, specifically Preventative Maintenance in accordance with the DPTI [Agency Work Procedure Manual](#).

Users of a TDS should familiarise themselves with the following **Conditions of Use**:

1. You use the information and data contained in any TDS published by DPTI at your sole risk. DPTI-AGFMA does not have the expertise to provide complete or accurate technical data schedules and provides these technical data sheets merely as a starting point and/or guide.
2. If you rely on the information in a TDS you are responsible for ensuring, by independent verification, its accuracy, currency and completeness. DPTI cannot guarantee that the information contained in a TDS meets the standards or requirements of legislative requirements.
3. A TDS is not an exhaustive list of tasks or obligations that may be required and is generally generic in nature. DPTI does not oblige the user of a TDS to rely on it to the exclusion of other sources of information. For example, manufacturer's requirements may need to be followed for additional and / or alternative tasks and for additional and / or alternative servicing frequencies. You should always check the primary source of information such as the Australian Standards, manufacturer's specifications, legislation and other standards before undertaking any work to which a schedule may apply.
4. You must apply appropriate risk management principles and carry out all tasks in accordance with obligations under the [Work Health and Safety Act 2012](#).
5. You must not use a TDS unless you meet the specific competency requirements for preventative maintenance servicing works and are capable of applying the TDS to your trade or area of expertise. A TDS is only to be used by people who are specifically instructed by DPTI to use them and only for work undertaken in South Australia.
6. DPTI, its agents, instrumentalities, officers and employees make no representations, express or implied, as to the accuracy of the information, the data contained in a TDS or the suitability of a TDS for a particular purpose.
7. DPTI does not provide legal advice. DPTI accepts no liability, howsoever arising, for any loss resulting from the use of a TDS and any information or data or reliance placed on them.
8. DPTI may change information and data in a TDS without notice.
9. DPTI may revise this disclaimer at any time by updating these Conditions of Use.